



Math Olympiad and Problem Solving Programs
E120 - Honors Algebra Problem Solving
Problem Set 9.2 - SAT Ratio

Name:

Date:

1. C
2. B
3. C
4. C
5. D
6. A
7. E
8. 132
9. $\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$ of the balloons are green. That means $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$ of the balloons are red or green. The rest, $1 - \frac{1}{2} = \frac{1}{2}$ are blue. Since half of the balloons, 18, are blue, then there must be 36 balloons.
10. $\frac{8}{7}$